

Features

- High-efficiency design
- +2.2V to +5.0V battery operation
- DC-to-AC converter produces up to 220Vpp for EL display panels
- Single resistor controlled internal oscillator
- Low current standby mode draws less than 1μA
- Uses small 470μH, Sub 2mm height coil

Product Brief


Product Description


The ZSP4403 is a high voltage output DC-AC inverter specifically designed to drive electroluminescent lamps to backlight liquid crystal displays, keypads, and backlit readouts used in battery operated portable equipment. The ZSP4403 is designed with our proprietary high voltage BiCMOS technology. The ZSP4403 will operate from a +2.2V to +5.0V battery source. The device features a low power shutdown mode which draws less than 100nA(typical), ideal for low power portable products. One external inductor is required to generate the high voltage AC output. One external resistor is used to select the internal oscillator frequency. The ZSP4403 is ideal for portable applications such as PDA's, pagers, cellular phones, and other portable applications using LCDs in dim or low light environments. The ZSP4403 is offered in 8-pin MSOP packages.

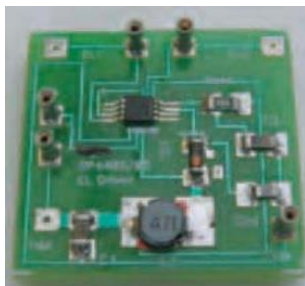
Target Applications

- PDA's, MP3 Players
- Cellular phones
- LCD modules
- Handheld GPS units
- Security systems
- POS Terminal

Ordering Information

Part Number	Temperature Range	Package Type
ZSP4403EU	-40°C to +85°C	8-Pin MSOP
ZSP4403LEU	-40°C to +85°C	8-Pin MSOP Green 
ZSP4403UEB	n/a	Evaluation Board

Please contact the factory for pricing and availability on a Tape-on-Reel and Green Package  option.



Please contact the factory for EL driver design support and availability of custom-made evaluation demo boards.

See our web site for Application Note **AN007** regarding requirements for custom-made evaluation demo boards.

Pin Configuration

